



OIPE

RAW SEQUENCE LISTING

DATE: 02/06/2002

PATENT APPLICATION: US/10/051,643

TIME: 19:13:27

Input Set : A:\1008c2 SEQLIST.txt

Output Set: N:\CRF3\02062002\J051643.raw

Does Not Comply
Corrected Diskette Needed

4 <110> APPLICANT: Watson, James D.
 5 Tan, Paul L. J.
 7 <120> TITLE OF INVENTION: Methods and Compounds for the Treatment
 8 of Immunologically-Mediated Diseases of the Respiratory
 9 System using Mycobacterium Vaccae
 12 <130> FILE REFERENCE: 11000.1008c2
 14 <140> CURRENT APPLICATION NUMBER: US/10/051,643
 14 <141> CURRENT FILING DATE: 2002-01-18
 14 <150> PRIOR APPLICATION NUMBER: US09/156,181
 15 <151> PRIOR FILING DATE: 1998-09-17
 17 <150> PRIOR APPLICATION NUMBER: US 08/996,624
 18 <151> PRIOR FILING DATE: 1997-12-23
 20 <160> NUMBER OF SEQ ID NOS: 208
 22 <170> SOFTWARE: FastSEQ for Windows Version 3.0

ERRORED SEQUENCES

5021 <210> SEQ ID NO: 203
 5022 <211> LENGTH: 187
 5023 <212> TYPE: PRT
 5024 <213> ORGANISM: Mycobacterium vaccae
 5026 <220> FEATURE:
 5027 <221> NAME/KEY: UNSURE
 5028 <222> LOCATION: (186)...(186)
 5030 <400> SEQUENCE: 203

5031 Val Ile Asp Glu Thr Leu Phe His Ala Glu Glu Lys Met Glu Lys Ala
 5032 1 5 10 15
 5033 Val Ser Val Ala Pro Asp Asp Leu Ala Ser Ile Arg Thr Gly Arg Ala
 5034 20 25 30
 5035 Asn Pro Gly Met Phe Asn Arg Ile Asn Ile Asp Tyr Tyr Gly Ala Ser
 5036 35 40 45
 5037 Thr Pro Ile Thr Gln Leu Ser Ser Ile Asn Val Pro Glu Ala Arg Met
 5038 50 55 60
 5039 Val Val Ile Lys Pro Tyr Glu Ala Ser Gln Leu Arg Leu Ile Glu Asp
 5040 65 70 75 80
 5041 Ala Ile Arg Asn Ser Asp Leu Gly Val Asn Pro Thr Asn Asp Gly Asn
 5042 85 90 95
 5043 Ile Ile Arg Val Ser Ile Pro Gln Leu Thr Glu Glu Arg Arg Arg Asp
 5044 100 105 110
 5045 Leu Val Lys Gln Ala Lys Ala Lys Gly Glu Asp Ala Lys Val Ser Val
 5046 115 120 125
 5047 Arg Asn Ile Arg Arg Lys Ala Met Glu Glu Leu Ser Arg Ile Lys Lys

RAW SEQUENCE LISTING

DATE: 02/06/2002

PATENT APPLICATION: US/10/051,643

TIME: 19:13:28

Input Set : A:\1008c2 SEQLIST.txt

Output Set: N:\CRF3\02062002\J051643.raw

```
5048      130      135      140
5049 Asp Gly Asp Ala Gly Glu Asp Glu Val Thr Arg Ala Glu Lys Asp Leu
5050 145      150      155      160
5051 Asp Lys Ser Thr His Gln Tyr Thr Asn Gln Ile Asp Glu Leu Val Lys
5052      165      170      175
W--> 5053 His Lys Glu Gly Glu Leu Leu Glu Val Xaa Pro
E--> 5054 180-185 180 185
```

VERIFICATION SUMMARY

DATE: 02/06/2002

PATENT APPLICATION: US/10/051,643

TIME: 19:13:29

Input Set : A:\1008c2 SEQLIST.txt

Output Set: N:\CRF3\02062002\J051643.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:34 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:49 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:62 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:88 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:101 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:128 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:150 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:10
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:180 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:193 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:208 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:296 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:309 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:21
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:351 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25
L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:1276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:1290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1369 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:63
L:1369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1371 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:63
L:1371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1386 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:64
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1405 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:65
L:1405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1407 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:65

- VERIFICATION SUMMARY

DATE: 02/06/2002

PATENT APPLICATION: US/10/051,643

TIME: 19:13:29

Input Set : A:\1008c2 SEQLIST.txt

Output Set : N:\CRF3\02062002\J051643.raw

L:1407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:2095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
L:2108 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:102
L:2108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102
L:2129 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:103
L:2129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103
L:2131 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:103
L:2131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103
L:2153 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:105
L:2153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105
L:2192 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:107
L:2192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107
L:2266 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:111
L:2266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111
L:2295 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:112
L:2295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112
L:2572 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:120
L:2572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120
L:2573 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:120
L:2573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120
L:2632 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:121
L:2632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121
L:2634 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:121
L:2634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121
L:2948 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:134
L:2948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134
L:3016 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:136
L:3016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136
L:3035 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:137
L:3035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137
L:3048 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:138
L:3048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138
L:3082 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:140
L:3082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140
L:3189 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:146
L:3189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146
L:3256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148
L:3279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149
L:3364 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:153
L:3403 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:154
L:3965 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:171
L:3966 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:171
L:4026 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:172
L:4028 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:172
L:4286 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:177
L:4566 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:185
L:4567 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:185
L:4607 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:186

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/051,643

DATE: 02/06/2002

TIME: 19:13:29

Input Set : A:\1008c2 SEQLIST.txt

Output Set: N:\CRF3\02062002\J051643.raw

L:4634 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:187
L:4687 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:191
L:4704 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:192
L:5053 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:203
L:5054 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:203